Raw Sequence Listing Error Summary

ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: _09/302,195B_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____Wrapped Nucleics
        Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2_____Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.

3_____Misaligned Amino
        Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4_____Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5_____Variable Length
Sequence(s)_____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____PatentIn 2.0
        "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7_____Skipped Sequences
        (OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____Skipped Sequences
        (NEW RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9_____Use of n's or Xaa's
        (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10_____Invalid <213>
        Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11_____Use of <220>
Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12_____PatentIn 2.0
        "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13_____Misuse of n
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

1600

RAW SEQUENCE LISTING   DATE: 07/30/2002
PATENT APPLICATION: US/09/302,195B   TIME: 14:11:21

Input Set : A:\26046400.ST25.txt
Output Set: N:\CRF3\07302002\I302195B.raw

Does Not Comply
Corrected Diskette Needed

pp 1-3

```
    3 <110> APPLICANT: Marchant, Roger E.
    4        Qiu, Yongxing
    5        Ruegsegger, Mark A.
    7 <120> TITLE OF INVENTION: Surfactants That Mimic The Glycocalyx
    9 <130> FILE REFERENCE: 26046/04000
   11 <140> CURRENT APPLICATION NUMBER: 09/302,195B
   12 <141> CURRENT FILING DATE: 1999-04-29
   14 <160> NUMBER OF SEQ ID NOS: 10
   16 <170> SOFTWARE: PatentIn version 3.1
   18 <210> SEQ ID NO: 1
   19 <211> LENGTH: 3
   20 <212> TYPE: PRT
C-->  21 <213> ORGANISM: Artificial/Unknown
   23 <220> FEATURE:
   24 <221> NAME/KEY: PEPTIDE
   25 <222> LOCATION: (1)..(3)
   26 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
   29 <400> SEQUENCE: 1
   31 Arg Gly Asp
   32 1
   35 <210> SEQ ID NO: 2
   36 <211> LENGTH: 4
   37 <212> TYPE: PRT
C-->  38 <213> ORGANISM: Artificial/Unknown
   40 <220> FEATURE:
   41 <221> NAME/KEY: PEPTIDE
   42 <222> LOCATION: (1)..(4)
   43 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
   46 <400> SEQUENCE: 2
   48 Arg Gly Asp Ser
   49 1
   52 <210> SEQ ID NO: 3
   53 <211> LENGTH: 5
   54 <212> TYPE: PRT
C-->  55 <213> ORGANISM: Artificial/Unknown
   57 <220> FEATURE:
   58 <221> NAME/KEY: PEPTIDE
   59 <222> LOCATION: (1)..(5)
   60 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
   63 <400> SEQUENCE: 3
   65 Arg Gly Asp Ser Pro
   66 1               5
   69 <210> SEQ ID NO: 4
```

global invalid response, per 1.823 d) Sequence Rules (see item 10 on Error Summary Sheet)

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PATENT APPLICATION: US/09/302,195B   TIME: 14:11:21

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```
        70 <211> LENGTH: 4
        71 <212> TYPE: PRT
C-->    72 <213> ORGANISM: Artificial/Unknown
        74 <220> FEATURE:
        75 <221> NAME/KEY: PEPTIDE
        76 <222> LOCATION: (1)..(4)
        77 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
        80 <400> SEQUENCE: 4
        82 Arg Arg Ala Arg
        83 1
        86 <210> SEQ ID NO: 5
        87 <211> LENGTH: 6
        88 <212> TYPE: PRT
C-->    89 <213> ORGANISM: Artificial/Unknown
        91 <220> FEATURE:
        92 <221> NAME/KEY: PEPTIDE
        93 <222> LOCATION: (1)..(6)
        94 <223> OTHER INFORMATION: Synthesized with a peptide synthesiz
        97 <400> SEQUENCE: 5
        99 Arg Arg Arg Lys Arg Arg
       100 1               5
       103 <210> SEQ    NO: 6
       104 <211> LEN      ?
       105 <212> TYPE: PRT
C-->   106 <213> ORGANISM: Artificial/Unknown
       108 <220> FEATURE:
       109 <221> NAME/KEY: PEPTIDE
       110 <222> LOCATION: (1)..(8)
       111 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
       114 <400> SEQUENCE: 6
       116 Pro Pro Arg Arg Ala Arg Val Thr
       117 1                 5
       120 <210> SEQ ID NO: 7
       121 <211> LENGTH: 11
       122 <212> TYPE: PRT
C-->   123 <213> ORGANISM: Artificial/Unknown
       125 <220> FEATURE:
       126 <221> NAME/KEY: PEPTIDE
       127 <222> LOCATION: (1)..(11)
       128 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
       131 <400> SEQUENCE: 7
       133 Pro Pro Arg Glu Val Val Pro Arg Pro Arg Pro
       134 1               5                   10
       137 <210> SEQ ID NO: 8
       138 <211> LENGTH: 11
       139 <212> TYPE: PRT
C-->   140 <213> ORGANISM: Artificial/Unknown
       142 <220> FEATURE:
       143 <221> NAME/KEY: PEPTIDE
```

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          RAW SEQUENCE LISTING                DATE: 07/30/2002
          PATENT APPLICATION:  US/09/302,195B  TIME: 14:11:21

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144 <222> LOCATION: (1)..(11)
145 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
148 <220> FEATURE:
149 <221> NAME/KEY: MISC_FEATURE
150 <222> LOCATION: (11)..(11)
151 <223> OTHER INFORMATION: X = alanine or another hydrophobic amino acid residue
154 <400> SEQUENCE: 8
156 Gly Ser Ser Ser Gly Arg Gly Asp Ser Pro Xaa
157 1               5                   10
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 5
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial/Unknown
165 <220> FEATURE:
166 <221> NAME/KEY: PEPTIDE
167 <222> LOCATION: (1)..(5)
168 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
171 <400> SEQUENCE: 9
173 Arg Arg Lys Arg Arg
174 1               5
177 <210> SEQ ID NO: 10
178 <211> LENGTH: 10
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial/Unknown
182 <220> FEATURE:
183 <221> NAME/KEY: PEPTIDE
184 <222> LOCATION: (1)..(10)
185 <223> OTHER INFORMATION: Synthesized with a peptide synthesizer
188 <400> SEQUENCE: 10
190 Pro Pro Arg Glu Val Val Pro Arg Pro Arg
191 1               5                   10
```

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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 11